Memoranda

Memoranda of gardening - fruit trees, &c.

1822. The following trees were grafted april 26 1822 - from Eben Hunts.

1 Golden Sweet - 1 Leakingpeather -
2 Spitzenbergs - 1 Greening - 1 Cranberry -
27th. - 1 Greening - 3 Spitz.r from Doc.r Hastings.
2 Nonpareil Sweets - 1 Baldwin G.P.
2 Leakingpeathers - J. Potters - 2 Hub.n Nonsuch G.P.
29th - 3 Leakingpeathers - 2 Royal Sweets - Lawson
Row west of garden gate - 3d Tree Lawson's Leak. repeather
.. .. - - 4th do. Hunts Greening.
East Row - - 3d Tree Hastings Spitzen(?)
.. . . - 4th Do. Hastings greening.
Hubbardston Nonpareil the west graft in old tree by the fence.
Aug.t. 19. Budded 2 Hooks with Bell pear
Do - 3 Lake ward cherries
.. -- 4 Ox heart Do.
21. .. 1 Nonpareil by Bitch apple
23 " 2 Sheldon Sweets - from Hastings. one of which only took.

1823.

Apr. 29 – Grafted 3 Seeknopf Pears – from D. Huntington

May 1. " 3 Nonsuch in south row – } Strong's
" 4 Jumittings – do. — }
" 2 Newton pippins do — Clark's

5th " 1 Greening — Hastings – }
" 4 Green Sweets – Thorny – } Middle Row
" 1 Russet — Hastings – }

Aug. 4 " planted mountain ashes the 3d

12. Budded 1 Nonsuch West end of 3d North Row }
" 1 Summer Sweet E. end of South Row. }
" 1 do East of yard fence – } Strong.
" 1 Green. gage north of Barn – }
" 2 green. gage in plum Row S. end }

21. 1 pound pear ~~by Amey Goodale~~ in plum Row No 3
2 Jargonelles in plum Row. No 1
1 St. Germain – by maples No 4

Grafted a Royal apple on old Tree by the fence – being the East graft. about the 5th of May last.

1824.

Apr. 19. Transplanted 2 Quince bushes

" do. - black currants

21 Do. Bellpear & St. Michaels, west of house

22 " Ditch apple tree. S.E. part of yard.

" " 5 Button woods. a Sycamore. a Western plane tree -

" Grafted 1 Ditch apple - & also sundry others below the garden, being duplicates

23. Grafted 2 Stocks in north row by peaches with Mr. Huntingtons large Red apple

Do - 1 Stock in do. with his Royal.

24 - Transplanted red currants & white do.

Do. 5 Sycamores the 23d.

July 30. Budded 2 Stocks with D. Huntingtons Damask apple - in row next peaches

Do. in middle row east end. 1 Stock with white apple from mountain

1 - Damask apple - west (See Apr. 29. 1826)

Aug. 4. Budded north end of plums 2 Stocks with Spice apples

5. 1 - Belle in apple South row (failed)

1. Fox - by south gate. (failed)

7. 1 Lamsons sweet. by west house.

1825.

March 12. Transplanted 3 budded peach trees

14. " do - - 3 common do. by E. fence

15. " Sowed Lettuce in hot bed.

" Transplanted 3 Quince bushes.

16. do. 2 Lawns in Locknspatther No. 9. both rows

" do. Stump's nonsuch - No. 8 East row.

" Roads settled - & a great part of meadow lands ready for plowing - frogs singing.

17 - Violent thunder shower about dusk.

19 " Transplanted 2 linden trees (a Lime)

25 " do. 2 Luke Ward cherries East & middle.

" " do. 1 Ox heart west (head broken off)

" " do. 3 Mazzard in little yard.

30 " do. 8 Rock maples next the street.

April

6 - Dug the asparagus beds & manured it &c.

7 - Blossoms on peach tree by Com house

18 - Grafted 5 Quennings West end of North row.

" Sowed 4 rows of Lettuce in hot bed

19 - Grafted 4 Nonsuch middle of N. Row

" " 2 do - West end of S. Row

" " 2 Baldwins - East end of No. Row.

" " 1 Royal Sweet end of Rasbergs (Lawson)

24 " Martins first appeared

25 - Sowed 3 rows Savoy Cabbage in hot bed

also radishes

1825

Apr. 26. Grafted on a tree on the hill

4 Snout apple - middle

1 Sukinoputhen - South

3 Do - - N. East

1 Sum. Sweet appen } N. West

1 Win. Sweet under }

2 Nonpareil - highest (dead) - apr. 26. 1826 grafted again

12 grafts

2 Snouts. grafted formerly

1 Boston. Do. -

Peach Tree by Corn house in full blossom White peach & some others blossomed in part.

27 - Trans planted 15 apple Trees below the garden - two west rows -

Sowed Radishes by the fence

30 - Blossoms appearing on pear - plum - & cherry trees - & beginning to show themselves also on apple trees.

Several peaches in full bloom.

Cut asparagus the 26.th

May - 7 - Sowed black Lettuce west of walnuts

" Do. Radishes south of Strawberries

" Dug half the ~~South~~ North west square

10 - Dug half ~~North East~~ middle square (Sowed Radishes)

13. finished Do - planted tomatoes.

" Sowed 10 rows peppers -

" 2 Do. Sage -

" 3 Do. Summer Savory -

1825
May 16. - Sowed in middle alley
8 Rows of Sweet Marjoram
4 Do. Cauliflowers
17 - planted (white) early Corn - Sweet corn &
common potatoes in garden.
" also 5 rows early cucumbers
& 2 Do - Long Do. -
1 bed of musmelons in corn
1 Do - watermelons back of barn
1 Do. East of hogs —
& transplanted lettuce in y^e borders
19. Warm Southerly Showers the last 2 days
& vegetation rapid - for the first time
since march. pastures beginning
to grow —
20. finished digging northwest square
& began southwest -
planted 3 hills watermelons at the
South end of Asparagus bed -
Do. 6 rows in N. W. square -
north row Long & mixed seed
" 2^d Do. Long only
3^d Do. mixed only
the other 3 Long & mixed

1825

May 21. finished digging S.W. Square & began the S. East.

Transplanted Strawberries -

2 D^o South rows from bed by Raspberries the rest from north bed in same square.

23. Finished digging S.E. square

24. Sowed 5 beds in S.W. square

1^st Bed - north row Turnip beet
- the rest beets

2. bed - Carrots

3. & 4. - Onions

5. - Parsnips

6 hills of summer squashes
5 Do - winter Do. by Corn
1 row of climbing beans
6 hills of musmelons

25. 2 Rows climbing beans - S.W. Square
2 Do. white pole - Do.
1 patch white head Lettuce "
4 Rows Savoy cabbage in border
1 Do red cab. - Do.
rest of border with Sal. radish
1 bed of turnips next to beans

1825

May 25. planted in S. E. square
6 hills muskmelons
2 rows cranberry beans next.
2 do - pole beans from G. P. the
north row Lima beans - the
South row Saba beans.

June 2 - replanted cucumbers where missing
transplanted Lettuce & Cabbage
3 - replanted Watermelon square
sowed scarlet radishes in W. square
6 - sowed Summer Savory & peppers 2d. time.
fine rains the 2d. 4. & 5th.
11 - very hot since the 7th mercury above 90
to 98 - on the 9th at noon 112
generally at midday - vegetation
remarkably rapid - Corn in North-
hampton meadow about knee high - my
own by the barn about mid leg.
14. Sowed carrots & parsnips 1 bed each
16 - do - 2 beds red onions
24 - planted 8 hills cucumbers
30 - Cucumbers in blossom also muskmelons & watermelons
" Strawberries about gone
July 1. Watermelons set in W.m bed & in garden
" Cucumbers set
Currants in great perfection

1825
July 10. Buds began to shoot out on a peach tree planted March 12th.

15 - picked 8 cucumbers. the first

17 - do. squashes

July 10. 11. & 12 extremely hot - the mercury about 88 at night - 94 before noon - & 96 & 98 at 3 & 4 O'Clk in the shade

20 - heat about the same as above

23 - Extremely hot the whole week - a fine shower this day - mercury ranging from 96 to 98 every day — & 80 at sun rise

" first string beans —

24 - fine comfortable weather —

30 - Budded a sweet apple 4 buds in middle row.

Aug. 2 - Budded 3 Summer Bearers by Jargonelle No 2

" 2 St. Michaels by Cannot bark

No. 4. - 1 St. Germain by waffles — (rainy day)

8 - gathered first shelld beans

" do. potatoes - unusually late & small crop

" " picked first watermelon —

9 & 11. picked several fine ones

16. do 4 very large behind the barn

Nov. 11. planted about 150 peach stones by garden South fence

" do. 31 hills of peaches 3 stones on the hill

4 - 6 - 6 - 14 - & 1 on the rock

" 5 from north fence trees - in row

1826

April 19. Grafted the first stock west of the house with Bigarreau cherry 2 grafts —

do. the one next to the street - and

2 stocks by the East entrance - with the carnation cherry — 6 grafts -

" Sowed in hot bed -

2 Rows of Ice Lettuce - East end

1 " Early cabbage - next

4 " Radishes " " next &

8 " Early curled Lettuce - now fed. coming on for June 25

" also by the gate

8 Rows Early Lettuce - old bed

a bed of W. H. Lettuce - next - " do.

& a sprinkling of Radishes with both.

22 - Sowed 6 qts peas in the garden

26 - grafted 2 nonsuch on tree on the hill

" 1 Queening in bogs S.E. of poultry yard.

27 - Transplanted 1 nonsuch No. 8 East Row

The following trees were transplanted this day in the nursery below garden.

Short Row No. 1 Sheldon Sweet.

2 - Royal Sweet Lamson

3 - New York Sweet.

4. Spitzenberg - Hunt

5. Do. - Hastings

next page

1826 -

Row next the Street - West -

No. 1 - Junating - Strong

2 - Large Red - Huntington

3 - Do. - Do.

4 - Sackmopather - Do.

5 - Do - Do

6 - Do - Lamson

7 - Greening - apr. 23. 1830 - Clark

8 - Russet - apr. 23. 1830

9 - Nonsuch - Strong

10 - Do - Do.

April 29. Grafted 1 Stock in the middle row by the peaches with Sweet apple.

May 1. planted about 90 hills of early potatoes in the north End of 8 rows, south of the poultry yard.

3. Sowed 2 Rows Ice Lettuce in north border
1 Do. Early Cabbage
5 Do. curled Lettuce
also Radishes in Tomato bed.

Grafted in old tree by the road below garden
4 Stocks on South limb with Nonsuch
6 Do - on E. N. & N. limbs with N. York Sweets

5. Transplanted
10 Silver firs &
1 Elm

1826

May 9: Grafted 1 Gunning in middle row - being the Stock budded July 30. 1824. with White Appl

" Sowed 5 rows of Marjoram by Linden tree

" 4 do. W.H. Lettuce. & Radishes over the whole border.

11th 2 Rows of bush beans -

13 - planted melons in Corn

2 South beds watermelons

2 North Do - musmelons

18. planted Corn in hogs

West side 20 rows common soaked in Copperas

— 3 Do. not soaked

East side 20 Do. J. Smiths Corn - soaked

19. 3 beds watermelons in hogs

1 bed & 6 rows W.H. Lettuce by Rhubarb

also Radishes on the same border

20 - 14 hills Cucumbers - 7 Rows Ice Lettuce

Transplanted Lettuce

22 - Winter squashes - 2 Rows bush beans

1 Row turnip beet - 4 of peppers -

25 - Summer squash. & 12 hills Cucumbers

30 - 13 hills early Cuc. 6 Long green

11 " Watermelons - & Lazy beans 1 row

2 Rows ~~King~~ Saba beans by Rhubarb

2 Do - Saba - in middle

2 Do - Common - pole North

1826

May 31. planted 3 Rows Corn.ⁿ muscmelons
North side of N.W. square
" 1 Row Cantelope South side
transplanted Ice Lettuce 15 plants
" Replanted Corn West of road

June 2ᵈ. 3 Rows Cucumbers South side of the middle square
3 do. watermelons - South row & west hill of middle row with plaister -
1 Do - Corn.ⁿ muscmel.ⁿ North side

2 beds onions in S.W. square
1 Do - radishes in N.W. square next strawberries -
Head Lettuce - parsnips & Carrots next Ice Lettuce - Savoy Cab. & beets - in next Early york - & Red Cab. 3 rows each in border in S.E. square -
Junnipes next to asparagus

3ᵈ. Replanted Corn in hogs (half missing on the east side)
22 - Replanted - Cucumb.ʳˢ & muscm.
" - Sowed Lettuce in hot bed & a bed of radishes

1826
July 7. picked first peas
19. gathered squashes
21. " do. 3 cucumbers
" - do. early corn 26 ears

" Budded in old Tree by the road
with Heath Spitzenburg
1 Stock N.E. 1 do. E. 2 do. S.W.

" Budded in S. Row in nursery
2 Stocks East with St. Michaels pear
2 Stocks West with Sam. Bennée
5 buds of each sort.

1 Stock in plum row with pound pear (3 buds) No. 3
27. 1 Black Tartarean in front yard near the street. (4 buds)

Dec. 1. Sowed the hot bed
4 rows East. Ice Lettuce
4 do. - Early do.
2 do West. Sweet marjoram

1827
Apr. Transplanted several peaches

23. Do. 6 Sugar maples from plumb Trees

May
25. Yesterday & to day seeded the garden -

N. W. Square

4 Rows North part muskmelons - South part 2 hills of winter squash.
2 Rows of cabbages planted in hills each side of the winter squash -
one row of summer squash in middle of the square.
also radishes

North East Square

North part cucumbers
South part Watermelons
also radishes

Hot bed square

2 rows pole beans
1 row of Watermelons
2 hills of muskmelons at the north end of the Watermelons

1827.

South East Square

2 Rows of Watermelons south side

2 " Beets

2 " yellow beans

2/3 " turnip beets

1/3 " cranberry beans

2 " Saba beans. pole.

3 Rows Long G. Cucumbers

turnips south of asparagus

South West Square

2 Rows beans - yellow. alexander

2 do do — Calico.

3 do. Onions

2 do - parsnips

2 do. Carrots

3 do. cucumbers

also radishes & Lettuce

scattered over the square

1827 Dec. 12. Sowed in hot bed. Lettuce viz
East 10 Rows Early curled
West 10 Do. Do Lettuce

1828

April 2. Dug asparagus bed.

" Planted Tomatoes

29 - Transplanted apple Trees North of the barn — viz.

North Row beginning at the west

Porter Pippin 1834

1st Tree — No. 1 Greening

2d do — 13 Pippin

3 " — " 6 Royal Sweet

4 " — " 1 Greening

5 " — " 7 Summer Sweet

Spice apple 1834

6 " — " 2 Royal

7 " — " — Greening budded Aug. 12. 1823

8 — — — Baltimore transplanted

9 ~~Snow 1832~~ — 10 Nonsuch

10 — — — 16 Harvest

11 — — — 14 Sweet

Middle Row

1st Tree — — — No. 1. Greening

2 " — — 4 Seeknofurther

3 " — — 10 Nonsuch

4 " — — 11 Junetting

South Row

1st Tree — " — No. 1. Greening

2 " — " — 5 Green Sweet

3 " — " — 3 Ditch

1 Royal Sweet out side of fence at the South east corner of door yard

1828

May 8. Peach trees in full blossom
large & small

9. Pears in full bloom. —

10. Cherries Do. ——. —

13. planted watermelons & nuts. in Corn.
- Sowed 3 rows onions. N. my own seed.

14. Transplanted Strawberries & Lettuce
planted Water m. bed by hot bed. &
1 hill muskm. from C. Clark.

15 - Rain - transplanted lettuce

16 - Rain - Sowed millet - West Patch

17 - planted 5 rows cucumbers } N.E.
- 3 " Calico beans } Square
- 2 " Yellow "

20. " 2 Rows punkins - S.W.S.
" 2 Do - beets — & 4 hills S. Squashes
4 Short rows Lettuce West No. 1
4 Do. - - - - 2
3 ✱ " - - - - - 3
2 " — - - - — 4
2 " - - - - - 5
1 " — - - — — 6
1 " — - - - — 7

21. 1. Row Scarcity — 2 Do. Carrots N.W.
4. Short Rows peppers S.W.
2. Scotch Kale — 1. Savoy — 1 June Cabbage
3. Rows June Cab. in hills - 3 hills W. Squash S.
2. " Savoy in hills N.E.
— Parsley & Sage by gate
15 hills Egg-Plant on West border

1828

May 23 - planted on S.E. square

2 Rows White pole beans South

1 do. - Cranberry - west

1 do - - Lima - - North

1 do - citron mus. South - Expenden

1 do - Murdock's - middle

1 do - pine apple - North. - C. Clark

1 do - Nutmeg citron 1820 - West side - South

1 do - Persian " - do - - North

24. - 4 Rows - Watermelons (Conrad) - N. W. Square

3 hills - Carolina do. by Sheep House

2 do. - citron mus. middle. do.

2 do - Common do. - " do.

27. - planted 2 Rows white Cranberry beans

replanted some Watermelons

2 hills Tomatoes - Arthur & Holly -

30 - 3 plum stones by front gate

1 Row of Sal. Radish, old seed -

31 2 do Sweet corn

June 7. Replanted Watermelons & Mus. on N. W. Square

also both beds of cucumbers & quarter S.

planted N. Row of pole beans front -

9 - replanted sweet corn of D.H. & 1 Row White.

16 - first Radishes

Aug. 6. Budded the Bunglow next the street

each branch with Black Tartarian - 1 bud

West branch with Bigarreau - 3 buds

1828 - Nov. 26 - Sowed the Lot bed nor.

8 Rows west end - Large head Lettuce
from Jones store - white seed -

5 Rows in middle - White head Lettuce
(Black seed

East end -

1st. Row - 2/3 Black Cape Lettuce - No. 7
1/3 White Do. - No. 6

2d. Row - White Do. - - "

3d. Row - Imperial Lettuce No. 4

1829 April 15.

Transplanted 2 firs west side of garden

May 9 - Sowed Lettuce beds & Tomato

14 - Do. 5 Rows Sage - 6 S. Savory - 1 Tomato - 8 marjoram

18 - Do. 4 rows of White onions

" - planted Kidney potatoes west side garden
Sweet corn west. 12 rows
Potato Corn West - 13 "

19 - 5 Rows of Sioux Corn
Bush beans & peas in Lot

20. 5 rows Watermelons N.W. Square
6 - cucumbers - 2 N.E. Square
3 hills Summ. Squash - 6 Do. Winter Do.
in Lot

21 - N.E. Square
1 Row Scarcity
2 Do. Parsnips
5 Do. Celery soaked
3 - Early Cabbage
3 - Savoy Do -

May 21. N. W. Square

2 Rows beets - & 2 Carrots

1 - Large white beans } pole
2 - Common Do. - }

2 - Com. musmelon.

3 - Cucumbers

5 - Ice Lettuce

8. head Do.

4 - Celery not soaked

bed turnips

S. E. Square

2 Rows white Cranberry beans pole

3 - Murdock musmelon

1 - Citron Do.

2. Watermelon

4 hills Tomato North border

planted apr. 1. - 14 Apricot Stones
1 Double Do. & 4 Single peach (shelled & cracked)
2 peach Stones cracked - W. Henry
6 Date Stones

May 14 - grafted. 1 Bartlett pear - North

1. Moorfowl egg - next

18. - 3. Bonnybugs.

1. Ambrette - late Winter - South

1. Red Bergamot - East.

June 19 - Lemon & Savory & Sage

June 14 - 4 Chervil July 2 Do — in hot bed

- From both flanks file to the Rear
- Form inwards to 7 former front (or right hind)
- From both flanks form column of fours to the Rear -

About outwards Finely (or hind to rally)

The Squadron being in column of fours to the front from the centre - Say to

- To the Right about form Squadron

To Oblique, say
Right inline - or Left -
Front - or Forwards

When told in Right & Left files

- Ranks by Twos - Right wheel -
- March.
(to be done in succession)
- Ranks by Twos - from the right file to the front.
(now inline & cover by twos)
- Form Ranks by Twos
(the left of twos come up to their places again)
- Twos, left wheel & form -
(the front rank advancing to the front)
- From the center form column of fours to the front - March -
- To the front form by wardrom
- To the Right Do.
- To the Left Do

Load &c. - Open to the left

Open to the right

Draw Swords - front face -

Return Swords -

Load again - Open to Right

Open to the left -

Draw Swords - front face -

Return Swords

Right about face - mark -

Halt - front face - Rest.

(Centres & Left as the Same)

~~Right~~ about

Rear Rank, rise back, mark,

(Same as may be better)

The manual Exercise with the pistol should be performed at Double distance

---

For a small Company - form single file - & when all in file & close to centre - wheel each man to the front -

For a squadron - thus

53. Files. Right wheel - march

54. Forward, march

55. Rear Rank, left in line & recover -

56. Halt - Files wheel up, march,

57. Halt - Right dress

58. The Right of Files will advance for manual exercise - march.

59. Take care to go thro' the firings to the front & return pistol (after firing) carry

60. Draw Swords - Return Swords

49. Dismount.

(Hand the horses up into line)

50. Link Horses

(Face about & link)

51. Prepare to mount.

(after unlinking - take the position of 48)

52. Mount.

(Bring the horses into line)

The Ranks bring at close order

42. Rear R. take Sword Exer. Order. March
(Rear R. run back)

43. Prepare to perform Sword Exercise
(centre & left of the right 3 only, front & Rear, incline to R. & cover)

44. March
(all the other centres & Left do the same)

45. On the Right form distance

Here follows the Exercise

46. To the front form. march

47. Take close order. (or Rear R. close to the front) March.

48. Prepare to dismount
(if at order the left files of both Ranks run back & form a new rank — if at close order the front R. right files advance - the Rear R left files run back.)

Ranking Off

37. Threes, by Ranks, from the Right file to the front.
(front R. files then the Rear

38. Form Threes —
(front Rank first — then the Rear

39. Double up by Twos (from No. 37
(front R. mark on — Rear R. about come up on the right)

40. To the R. & L. open files

41. To the R. (or L. or both) close your files

30. By Single files from the Left.
(both ranks being in files abreast)

31. Double up by Twos – Now in front.
(In 30 the Rear Rank man inclines to L.
In 31 – – – – – to the R.
The reverse if marching by the left.)

32. Form Threes –
(the front rank 3s from abreast
the rear rank 3, fall in behind them)

33. From the Right of threes file to front

34. From the Left do . . do. —
(also only when marching by the left)

35. Threes, by single file from the Right
(when at No. 32)

36. Form Threes – (from single file)

20. From the flanks file to the front. M

21. Do. - - - - - to the Rear. M

22. From the center file to the front. M.

23. Left form (from 17. 18. or 19)

24. To the front form

25. To the R. form

26. Right about form

27. Left about form - (used only when filed from the Left flank)

28. Front form - (when filed from both flanks)

29. Do - (when filed from the center)

(The filing & forming from two Ranks is done on the same principles, & with the same words, as from one) (except that the front rank, in forming, advances 1½ horse's length in front of the rear -

15. Rear Rank, Right in line
and double in front.

(when marching by the Left
wards Nos 14 & 15)

Filing from a single Rank only,
or Ranking off

(when at order, or open order, the
Ranks file separately - and also
at the word "Rank off" - or "by Ranks
file" &c -)

16. By single file from the R. or L.
(the front Rank man advances, &
his cover or falls in behind him)

17. From the R. file to the front - mark.

18. Right file - march

19. From the R. file to the Rear, mark

7. Three. Right wheel - march -
(each 3 wheels on its centre man the ¼ circle

8. Three - wheel up - march
(each on the centre man
& dress by the right)
Same by the Left

9. Three about - march
(always to the right)
to resume their front say again

10. Three about (or 3 wheel up) march
(dress by the right)

11. Three, Right wheel, march -

12. Forward, march.
(walk, unless ordered to trot or gallop)

13. Right Shoulders forward

14. Rear Rank, Left inclining Reverse

1 — Form Troop — Rank entire.
at easy files

2. Tell your Ranks from R. to L.

3 Right Dress

4 Rear Rank - Rein back - March
(to close order)

5 To the Right close your files
Cover — March —
(all but pass to the Right, &
form 2 Ranks at easy files
& at close order)

6 Count off from Right to Left
They are then told off by threes
from the center to the flanks
Right, Center, Left — &c

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Hoc age — Attention!

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1810

Close files — Boot top to Boot top.

Easy files — Six inches apart

Half open files — Eighteen Do.

Open files — Three feet Do.

Double distance — Horse's length Do.

Close to Croup — but not touching

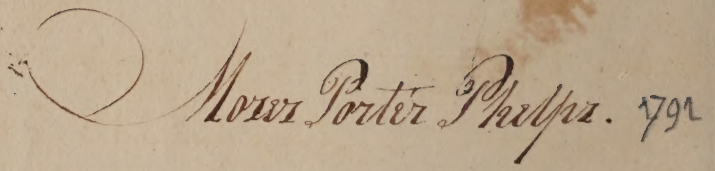
Close order — half horse's length

Order — 1/3 the length of a usual squadron

~~Sword Exercise Order — 3 p horse's length~~

Open Order — must the same. (as order)

Sword Exercise order — 3 p horse's length between the Ranks — & half a horse's length from head to croup after the files are reined back for exercise.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